

Date: Wed, 26 Oct 94 19:09:09 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: List
Subject: Info-Hams Digest V94 #1161
To: Info-Hams

Info-Hams Digest Wed, 26 Oct 94 Volume 94 : Issue 1161

Today's Topics:

 ###Help my HT set the car alarm off###
 Active NOAA satelllites?
 anyone know anything about hallicrafters
 CQ CQ Saint John NB and Halifax hams
 Help needed with Kenwood 9R59D
 HT problem--help!!! Please!!!
 Intl call sign servers/CDs
 IPS Daily Report - 25 October 94
 Looking for Mac Logging Programs
 Motorola Amateur Group????
 QRN from neighbors patio lights
 QRP club awards?
 Questions on this and that
 Silent Keys
 VK2WI Weekly News, 23rd October, 1994 [abbrev]

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 25 Oct 1994 16:06:18 -0400
From: valleyj@freenet3.scri.fsu.edu (Jeffrey Valley)
Subject: ###Help my HT set the car alarm off###

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: In article <38hlgk\$bud@silver.scs.unr.edu> nsombat@scs.unr.edu (Nat Sombat)
writes:
: > I just put RF concepts 30 watts amp. in my car and every times I

: >key on the air the car alarm go off. It'll stop as soon as I let off the
: >key. When I turn the amp. off it's find. I have call RF concepts and
: >they told me to use aluminum foid to wrap around the brain unit and
: >siren. It's still go off everytimes. I have 5/8 larsen mount on the
: >roof. The SWR read lower than 1.5:1. Any idea, what I have to do to
: >have 30 watts amp. and car alarm.

: You haven't told us what make and model of car this is in. That can
: help because there are known fixes, and known lost causes, with

Also, what kind of an alarm? The Viper series has been plagued with this
problem. My HT will set off my alarm with only 2.5 watts out, if I'm not
careful.

Regards,

--

Jeffrey M. Valley
valleyj@freenet.fsu.edu
valleyj@world.std.com
valleyj@romulus.housing.fsu.edu

Date: Wed, 26 Oct 1994 10:41:11 GMT
From: boyer@rd.eng.bbc.co.uk (John Boyer)
Subject: Active NOAA satellites?

John Thyne (john@geog.canterbury.ac.nz) wrote:

: can anyone tell me which NOAA satellites are currently broadcasting?

: I receive daily infrared or visible imagery from NOAA satellites
: passing over the New Zealand region but am at a loss to know exactly
: which one and at what time.

: Having just gained access to some satellite tracking software
: which gives orbital details on NOAA 9, 10, 11 and 12, it does not
: tell me which ones are currently active.

: PS: Additional information on these satellites would be appreciated.

: Thanks

: John Thyne

: email address: j.thyne@geog.canterbury.ac.nz

All of those are active. However Noaa 11 AVHRR gear has gone phutt, so the

pic is rubbish.

John B
john.boyer@rd.eng.bbc.co.uk

PS if you get any pics, please let me know. It would be quite nice to see some from down under.
Also on at the moment are Meteor 3-5 on 137.85 and occasionally Okean 1-7 on 137.4 MHz.

John b
john.boyer@rd.eng.bbc.co.uk

Date: Tue, 25 Oct 1994 20:15:34 GMT
From: kludge@netcom.com (Scott Dorsey)
Subject: anyone know anything about hallicrafters

In article <19940ct25.132221.949@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>
>Yep, they were very popular transmitting tubes. Pushed hard in amateur
>service, they'd make almost 100 watts, a pair of either kind could do
>it comfortably. Most of the rigs using 807s are gone now, but you'll
>still find quite a few rigs with 6146s in the finals.

Gone? Gone? We are offended. Actually, the 807 saw a lot of service as a modulator, and later on as a result got adopted by the audio folks; a lot of audio amplifiers out there used them, and a few still do.

Personally, I think the 833 is the way to go, but then I'm biased.
--scott

--
"C'est un Nagra. C'est suisse, et tres, tres precis."

Date: 26 Oct 1994 00:43:37 GMT
From: ArthurA@ix.netcom.com (Arthur Ashley)
Subject: CQ CQ Saint John NB and Halifax hams

I'm going to visit Saint John NB and Halifax next Summer. Would like to get any ham radio related information regarding these two cities. For example, club meeting information, 2 meter repeater frequencies, scheduled nets, hamventions, flea

markets,
etc.

As I understand it, I can transmit from these cities by giving my call sign and then saying "stroke VE1". There is no paper work involved beforehand? Please correct me if I'm wrong on this.

Please E-mail me directly, Thank you, N1NHZ, Arthur, Cambridge MA

Date: 25 Oct 1994 20:56 -0500
From: hirschj@vax2.concordia.ca (JACK HIRSCHBERG)
Subject: Help needed with Kenwood 9R59D

I am posting this for a friend. He has the above receiver, which needs a new coil. The coil in question is the one that goes between the antenna and the first rf tube in the 10.5 to 30 MHz freq range. Does anyone have such a thing or know where to get it.

Thanks for any help.
Jack
Email: HIRSCHJ@vax2.concordia.ca

Date: 25 Oct 1994 20:57:10 -0400
From: k8unp@bcfreenet.seflin.lib.fl.us (Peter Rimmel)
Subject: HT problem--help!!! Please!!!

Jesse L Wei (jlw3@ritz.cec.wustl.edu) wrote:

: I need some help here. I have an Icom W21AT whose external power jack no
: longer works. The HT works just fine by battery but does not power up when
: the external power is plugged in. I know that the adapter is ok. I know that
: the problem is with the HT. Anybody out there ever had problems with the
: external power jack failing? Anybody out there have suggestions on what I
: might look at?

: What happened? The ht sustained a 4 foot fall onto carpet (it was also in
: it's little soft case). The radio was fine, but the tone card inside was
: kinda jarred loose. So I took the radio apart (via instruction manual
: instructions. However, although I turned off the power, I didn't disconnect
: the power cord. While removing the metal battery lead, I apparently shorted
: the battery terminal.

: I found nothing to smell fried, and saw nothing unusually brown or black.
: Is this beyond simple search and repair? I'm having the schematics sent to
: me from home.

: Thanks in advance for any help!!

: --Jesse
: AB5XC
: formerly KC5HBY
:

Jesse-- I know what happened... It happened to me..

Inside the 02AT is a small relay which switches the power from the battery to the 12 volt input when the 12 vdc is applied.

I dropped mine, and the relay stopped working. I had to order another one from Icom... I don't have the number, but Icom will know which one.

It is a little blue relay mounted right under the top of the HT. It is a SPDT relay and has five contacts- 3 for the relay and 2 for the coil.

I bet that is ur problem - Good Luck 73, Dit dit
Pete K8UNP

--

Peter Rimmel
k8unp@bcfreenet.seflin.lib.fl.us

Date: 26 Oct 1994 09:51:53 GMT
From: wvanho@infinet.com (W. E. Van Horne)
Subject: Intl call sign servers/CDs

Mike Gathergood (Mike@g4kfk.demon.co.uk) wrote:
: Hi Brian,

: > I have a list of callsign servers and an Amsoft CDRom but they only
: > have FCC/American calls. Does anyone know of a server or CD CD that has
: > international calls as well?

The UK Callbook is available at:
<http://www.mcc.ac.uk/Other Pages/Trafford ARC/Trafford.html>

Software is provided with which one can search by call, name, location, etc.

73, Van - W8UOF

* * * * *
* It ain't wot ya don't know 't gets ya into trouble. *
* It's wot ya know 't ain't true. - "Mr. Dooley" *
* * * * *

wvanho@infinet.com

Date: Tue, 25 Oct 1994 23:33:56 GMT
From: rwc@flare.syd.ips.oz.au (Regional Warning Centre)
Subject: IPS Daily Report - 25 October 94

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
ISSUED AT 25/2330Z OCTOBER 1994 BY IPS RADIO AND SPACE SERVICES
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 25 OCTOBER AND FORECAST FOR 26 OCTOBER - 28 OCTOBER

1A. SOLAR SUMMARY

Activity: low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 89/33

GOES satellite data for 24 Oct

Daily Proton Fluence >1 MeV: 2.2E+06
Daily Proton Fluence >10 MeV: 1.2E+04
Daily Electron Fluence >2 MeV: 5.5E+08 (high)
X-ray background: A8.7

Fluence (flux accumulation over 24hrs)/ cm2-ster-day.

1B. SOLAR FORECAST

	26 Oct	27 Oct	28 Oct
Activity	Low	Very low	Very low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number for 26 Oct: 90/34

COMMENT: A C4 flare was observed at 1009UT with an associated proton enhancement. (Flares below M class are not shown in summary section).

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: quiet

Estimated Indices : A	K	Observed A Index 24 Oct
Learmonth	7 2322 2122	
Fredericksburg	12	24
Planetary	12	30

Observed Kp for 24 Oct: 4555 4433

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
------	----	------------

26 Oct 12 Quiet
27 Oct 16 Unsettled to active
28 Oct 16 Unsettled to active
COMMENT: A small shock is expected in the field at approx. 1500UT on
27th October due to a C4 flare on the 25th.

3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
25 Oct	normal	fair	fair

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
26 Oct	normal	normal	fair
27 Oct	normal	fair	poor
28 Oct	normal	fair	poor

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

Observed

DATE	T-index	MUFs at Sydney
25 Oct	-21	15 to 20% below predicted monthly values

Predicted Monthly T-index for October: 20

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
26 Oct	0	Depressed 15 to 20%/near predicted monthly values
27 Oct	15	Near predicted monthly values
28 Oct	10	Depressed 10 to 15%/near predicted monthly values

COMMENT: IPS HF Communications Warning 8 was issued on 25 October and
is current for 26 October. Depressed conditions are persisting at
Sydney. Townsville recovered to near predicted values this morning.
(Northern Australian HF communicators should use the monthly T of 20).
Depressed / degraded conditions expected at Sydney, during first
half of today then improving to near normal. Degraded conditions
may be experienced on 28th due to a recent solar flare.

--
IPS Regional Warning Centre, Sydney | IPS Radio and Space Services
RWC Duty Forecaster tel: +61 2 4148329 | PO Box 5606
Recorded Message tel: +61 2 4148330 | West Chatswood NSW 2057
email: rwc@ips.oz.au fax: +61 2 4148331 | AUSTRALIA

Date: 26 Oct 1994 11:21:34 GMT
From: mxb11@po.cwru.edu (Marc Buchner)
Subject: Looking for Mac Logging Programs

Hi,

I'm been looking for Mac logging programs and to date have only found MacContest in my internet wanderings. Unfortunately, the program crashes on a IIfx and A Quadra 700 so I'm back to square one. Does anyone know of any logging programs (contest and/or non-contest - freeware, shareware, or commercial products) that are more robust than MacContest.

Thanks for the help.

Marc

--

Marc Buchner (NB8T)
Systems Engineering Department
Case Western Reserve University
617 Crawford Hall

phone: (216) 368-4096 fax: (216) 368-3123 email: mxb11@po.cwru.edu

Date: 25 Oct 1994 20:55:19 GMT
From: myers@Cypress.West.Sun.Com (Dana Myers)
Subject: Motorola Amateur Group????

In article 67s@news.Hawaii.Edu, jeffrey@kahuna.tmc.edu (Jeffrey Herman) writes:
>William=E.=Newkirk%Pubs%GenAv.M1b@ns14.cca.rockwell.COM writes:

>

>>>I didn't think Motorola made HAM gear??? (So I heard..)

>>>-Evan Platt

>

>>they don't make stuff for the amateur market, yes.

>

>They used to market a 2M transceiver (the Metram?); the price was

>outrageous.

I believe you are referring to the Metrum II. I've never seen one, just the service manual.

I use several Motorolas for amateur work; I have a Fast-Lok VHF-High MCX100 in the car, another Fast-Lok VHF-High MCX100 on packet, a VHF-High Maxar-80 on packet, set up a UHF Micor mobile for packet, set up a VHF-High Micor for packet, etc.

The mobiles tend to make nice amateur radios. No, I don't buy them brand new. But there are good deals to be had if you know how to work on radios and aren't too cheap to buy the service manual from Motorola.

* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* "Antenna waves be burnin' up my radio" -- ZZ Top *

Date: 25 Oct 1994 20:21:42 GMT
From: tboza@ccm.hf.intel.com (WB7ASR)
Subject: QRN from neighbors patio lights

At night, I have a S9 continuous AC buss between 13.900 through 14.100 MHz. I got out my DC pocket SWL receiver and traced it down to my next door neighbors patio lights. They are the 28VDC type, with some type of powersupply/timer. It must have a 14.000 MHz osc switching circuit in it.

I know my neighbor does not like it when I get RF into his TV, VCR, or telephone, however I don't like it when his patio lights get into my HF receiver.

Any suggestions on how to handle this situation without causing WW-III ?

Date: 26 Oct 94 18:51:52 GMT
From: price@cod.NOsc.MIL (James N. Price)
Subject: QRP club awards?

Hi gang--I know this should be posted to the qrp newsgroup, but I've lost the address, so.....

Does anyone here know if K6MDJ is still the awards administrator for the QRP club? I got my QRP-DXCC a few years back and am about ready to apply for the 200 country endorsement (ya, all with a Ten-Tec Argonaut!). Any direct info, or the posting address for the qrp newsgroup would be appreciated.

Please reply direct to 'price@nosc.mil' Tnx, 73--Jim, K6ZH

Date: 25 Oct 1994 20:57:52 GMT
From: myers@Cypress.West.Sun.Com (Dana Myers)
Subject: Questions on this and that

In article 6HJ@news.Hawaii.Edu, jeffrey@kahuna.tmc.edu (Jeffrey Herman) writes:
>djenkins@jetson.uh.edu (David Jenkins) writes:

>
>>2) I heard WB9RUM talking to a CBAGV (I'm pretty sure) on CW last night.
>
>Might it have been C6AGV? Or even CB1GV is a possibility - some folks,
>after the first exchange of callsigns, may shorten the numeric charac-
>tor to just the first two elements: A = 1, N = 6, T = 0 (not legal!).

What isn't legal? As long as no one is encoding text to obscure meaning,
and properly identify with a complete callsign every ten minutes (for US
amateurs), the callsign may be abbreviated.

What makes you think this isn't legal?

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* Dana.Myers@West.Sun.Com | reflect those of my employer *
* "Antenna waves be burnin' up my radio" -- ZZ Top *

Date: Wed, 26 Oct 1994 02:54:08 GMT
From: jjmartin@world.std.com (James J Martin)
Subject: Silent Keys

Derek Wills (oo7@astro.as.utexas.edu) wrote:
: I was going to suggest "destinated", but I'd better not...

Yeah! Destinated...sounds like a weener to me.

-jim- WK1V

Date: 26 Oct 1994 22:20:03 +1000
From: dave@eram.esi.com.au (Dave Horsfall)
Subject: VK2WI Weekly News, 23rd October, 1994 [abbrev]

[Owing to a mishap or two, this was all that was transcribed from the

VK2 WIA Broadcast:]

VK2 DIV. PRESEIDENT'S MESSAGE

This is Michael Corbin, VK2PFQ.

Again not a lot to report this week, so I'll take this opportunity to put an idea to you. What about a members forum. What's a members forum you ask, well it's simply the process whereby members are able to address council at a council meeting. It's where you can put those ideas, even criticism, before council. Most City Councils have time set aside on open council meeting nights, so that ratepayers..... usually irate ones....but not always, can put before council their thoughts, grips, opinions, on....Anything.

The rules are simple.....three minutes is allowed to put your case, no Councillor can or will answer questions and speakers are required to conduct themselves with due decorum. If you think this sort of thing has a place in Institute affairs, then please avail yourself of the opportunity at our next Council meeting. That's Friday 11th November at 7.30p.m., all members are invited to attend.

The other matter is.... those Memorandums & Articles of Association, which badly need rewriting. To this end. I am asking for volunteers. Much has been spoken in the past on these M. and As. and I would like to get their revision on the way. As with NTAC, the best way, I believe, to achieve this, is to form a Committee. Instead of picking people, I am asking for a group from amongst members, who want to help. A group who genuinely WANT to do the job....NOT a group, who have been coerced into doing the job. If you feel that you fill the bill,....then, give me a call.

You'll recall last week that I asked for someone to make their station available for Howard W6AXX. If you were not in tune last week, Howard is coming over here for a short holiday and he wants to have the use of a station for the first 24 hrs of the WW DX SSB contest. David Thompson VK2BDT has been kind enough to offer the use of his station, plus accommodation, for which I am most thankful. However, David lives in Goulburn and it might be better if we can find someone closer to home as Howard's accommodation is already booked and paid for..... nevertheless, thanks David.... keep the linear idling over... just in case.

There will be no Presidential notes next week, as I will be away in VK6.

As promised last week, I will now read an edited version, the first of four segments written by David Rankin 9VIRH/VK3QV and provided to

us by John Aarsse VK4QA (pronounced AR-SAY). David prepared this information so....and I quote "that as many amateurs in Australia as possible learn of what has happened in Singapore." (at the IARU Conference)

"Good morning or good evening from Singapore.

Here is something for the numerologists... at 9 o'clock on the 9th day of the 9th month the closing meeting of the 9th IARU Region 3 Conference commenced in a country whose prefix starts with the number 9. Any translations of any possible significance, please let me know at my home QTH.

Some 95 people attended, representing 20 National Organisations, including 3 proxies, Plus the Region 3 Directors, the President, the Vice President and the Secretary from IARU Headquarters, representatives from Regions 1 and 2, the ITU, The Asia Pacific Telecommunity and a sole observer from Vietnam.

Over 107 papers were presented. Some were reports but, still, 90 odd papers needed to be discussed in three working groups, one covering purely technical matters, one regulatory items and the third dealt with suggested methods to assist fledgling amateurs in areas such as Nepal, and so on.

A conference like this, held in an exotic place is, for quite a few people, not exactly a holiday. Mr. Selvadurai, 9V1UV, from the Singapore Amateur Radio Transmitting Society was kept busy as Conference Chairman, the office staff worked round the clock and some privileged delegates and observers were kept busy on the Thursday morning while others were able to take the time off to do some shopping.

For some reason or another, I was one of the privileged observers assisting the Chairman of working group A, Terry Carrell, ZL3QL. We managed to file our report for printing with two minutes to spare!

Mr. Masayoshi Fujioka, JM1UXU, resigned as Secretary of IARU Region 3. In a private ceremony, Masa-san accepted with great joy a copy of the script of that broadcast. In the coming few weeks I will touch on a number of important decisions that have been made for Region 3, decisions that will affect the Amateur Radio Service in this region, including you, the listener.

Now a list of the newly elected directors of Region 3, in fact, they are also YOUR directors as they will represent YOU at the super top level. However, without input from you, through your Clubs or direct to your respective State Councils, they wouldn't know what is of

specific concern to you.

Here are the new directors:

Mr. Fred Johnson, ZL2AMJ, who was also elected by the new Board as Chairman.
Mr. Sangat Singh, 9M2SS, re-elected
Mr. David Rankin, 9V1RH/VK3QV, re-elected.
and the new directors:
Mr. Joshiji Sekido, JJ10EY
Mr. Park Young-Soon, HL1IFM

Unfortunately, David Wardlaw, VK3ADW, was just pipped at the post,
while Mr. Keigo Komuro, JA1KAB, did not stand for re-election.

At the same time, a choice was made between 2 contenders to host the
next Conference. Beijing was chosen as the venue for the 10th IARU
Region 3 Conference, which will be tentatively commence on Monday,
the 9th of September 1997.

The conference finished with a dinner, hosted by IARU HQ and ARRL.

73 David 9VIRH/VK3QV

Well that was Part 1 of four parts. Although I will not be here next
week I will make a recording of Part 2

See you then.

--

Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2AAB.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | E7 FE 97 88 E5 02 3C AE 9C 8C 54 5B 9A D4 A0 CD

Date: 26 Oct 1994 06:43:57 GMT
From: myers@sunspot.West.Sun.COM (Dana Myers)

References<Cy4yx7.8r3@news.Hawaii.Edu> <RFM.940ct24155951@urth.eng.sun.com>,
<Cy9A6K.CAM@news.Hawaii.Edu>
Subject: Re: The (1929) Amateur Code

In article <Cy9A6K.CAM@news.Hawaii.Edu> jeffrey@math.hawaii.edu writes:
>rfm@urth.eng.sun.com (Richard McAllister) writes:
>
>>Whoo-ha! Jeff, it said *well-built* not self-built. And even if
>>it were self-built, what evidence do you have that this would
>>eliminate all the no-codes?
>

>Show me a *commercially* built amateur transmitter/receiver for the
>1929 ham, Rich! Just what do you think was available back then?
>
>And even if there was one (which there wasn't), it would have been
>up to the manufacturer, not the ham, to insure it was ``well-built''.

Not exactly, Jeff. A "well-built" station can refer to equipment that is well-constructed, but I tend to think it means something more; a well-put-together station. A station with adequate lighting, adequate room, safely connected equipment. More than just a transmitter and receiver.

Anyway, even when you buy equipment, it isn't the manufacturer that is held responsible for the proper operation of the station; it is the station licensee. In other words, the ham is always the one to insure the station and equipment therein, is "well-built".

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* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are      *
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* Dana.Myers@West.Sun.Com       | reflect those of my employer *
* "Antenna waves be burnin' up my radio" -- ZZ Top              *
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Date: Wed, 26 Oct 1994 01:15:56 GMT
From: jeffrey@kahuna.tmc.edu (Jeffrey Herman)

References<9410230400083420@pcappbbs.com> <Cy4yx7.8r3@news.Hawaii.Edu>,
<RFM.940ct24155951@urth.eng.sun.com>
Reply-To: jeffrey@math.hawaii.edu
Subject: The (1929) Amateur Code

rfm@urth.eng.sun.com (Richard McAllister) writes:

jeffrey@kahuna.tmc.edu (Jeffrey Herman) writes:

>>dale.piedfort@pcappbbs.com (Dale Piedfort) writes:

>>>THREE:

>>>

>>>THE AMATEUR IS PROGRESSIVE....He keeps his station abreast of science.

>>>It is well-built and efficient. His operating practice is above re-

>> ^^^^^^^^^

>>>proach.

>>If the above code is a mark of a REAL HAM then you have eliminated

>>not only all the no-codes but many of the know-codes, too - maybe

>>maybe even yourself!

>>Notice that the 'progressive' amateur above (in 1929) built *everything*
>>in his station.

>Whoo-ha! Jeff, it said *well-built* not self-built. And even if
>it were self-built, what evidence do you have that this would
>eliminate all the no-codes?

Show me a *commercially* built amateur transmitter/receiver for the
1929 ham, Rich! Just what do you think was available back then?

And even if there was one (which there wasn't), it would have been
up to the manufacturer, not the ham, to insure it was ``well-built''.

Jeff NH6IL

End of Info-Hams Digest V94 #1161
